

SIEMENS

POWERMOBIL

SP

Planning Guide

System

© Siemens AG 1999

The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved.

English

Doc. Gen. Date: 08.04

Print No.: SPR2-240.891.01.04.02

Replaces: SPR2-240.891.01.03.02

Chapter	Page	Revision
all	all	01
all	all	02
all	all	03
all	all	04

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery.

Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

Disclaimer

The installation and service of equipment described herein is to be performed by qualified personnel who are employed by Siemens or one of its affiliates or who are otherwise authorized by Siemens or one of its affiliates to provide such services.

Assemblers and other persons who are not employed by or otherwise directly affiliated with or authorized by Siemens or one of its affiliates are directed to contact one of the local offices of Siemens or one of its affiliates before attempting installation or service procedures.

	Page
1 General Notes	1 - 1
General Notes	1 - 1
Safety	1 - 2
Further Information for Detail Planning	1 - 2
2 Room Planning	2 - 1
POWERMobil Dimensions	2 - 1
Monitor Trolley Dimensions	2 - 2
3 Preparation for Installation	3 - 1
On-site Electrical Installation	3 - 1
4 Technical Data	4 - 1
Electrical Data	4 - 1
Weight and Heat Dissipation	4 - 1
Ambient Temperature and Relative Humidity	4 - 1
Packing and Transport Routes	4 - 1
Surface Colors.	4 - 1
5 Changes to Previous Version	5 - 1

General Notes

- With distribution of these revision level, all preceding planning guides, Speed - Infos (PG's) and drafts lose their validity.
- All layouts issued by the Planning Departments must bear a note referring to the installation and delivery conditions of Siemens Medical Engineering. The installation and delivery conditions must be submitted with the layouts.
- Unless otherwise specified, all dimensions are indicated in "mm".



- The symbol indicates a change (see revision status).



- Orientation points
Points specific to system components to which reference is made when positioning system components to each other or in the room.
The isocenter of a radiographic system is always illustrated as the orientation point.

- Fixpoints
Clearly marked points on system components, installation ceiling, walls or floor on which cable outlets are located.
Illustration in the drawings: octagon with letter/number-combination.
The cable lengths specify the maximum fixpoint distances and thus the maximum distances between the individual system components.

- Room height
The room height is the distance measured from the top surface of the floor to the bottom surface of the ceiling structural elements (Unistrut rails) (bottom surface of drop ceiling).

- Room lighting
According to DIN 68 68-57 (international standard in preparation), the lighting in rooms in which image playback devices (monitors) are used for diagnosis, the following requirements must be met:

adjustable, no anti-glare screen, reproducible adjustment of the lighting (e. g. dimmer with scala),

no glare or reflection from windows, lights and light boxes in the standard working position of the monitors.

Hotline + 49 (9191) 18 - 8080

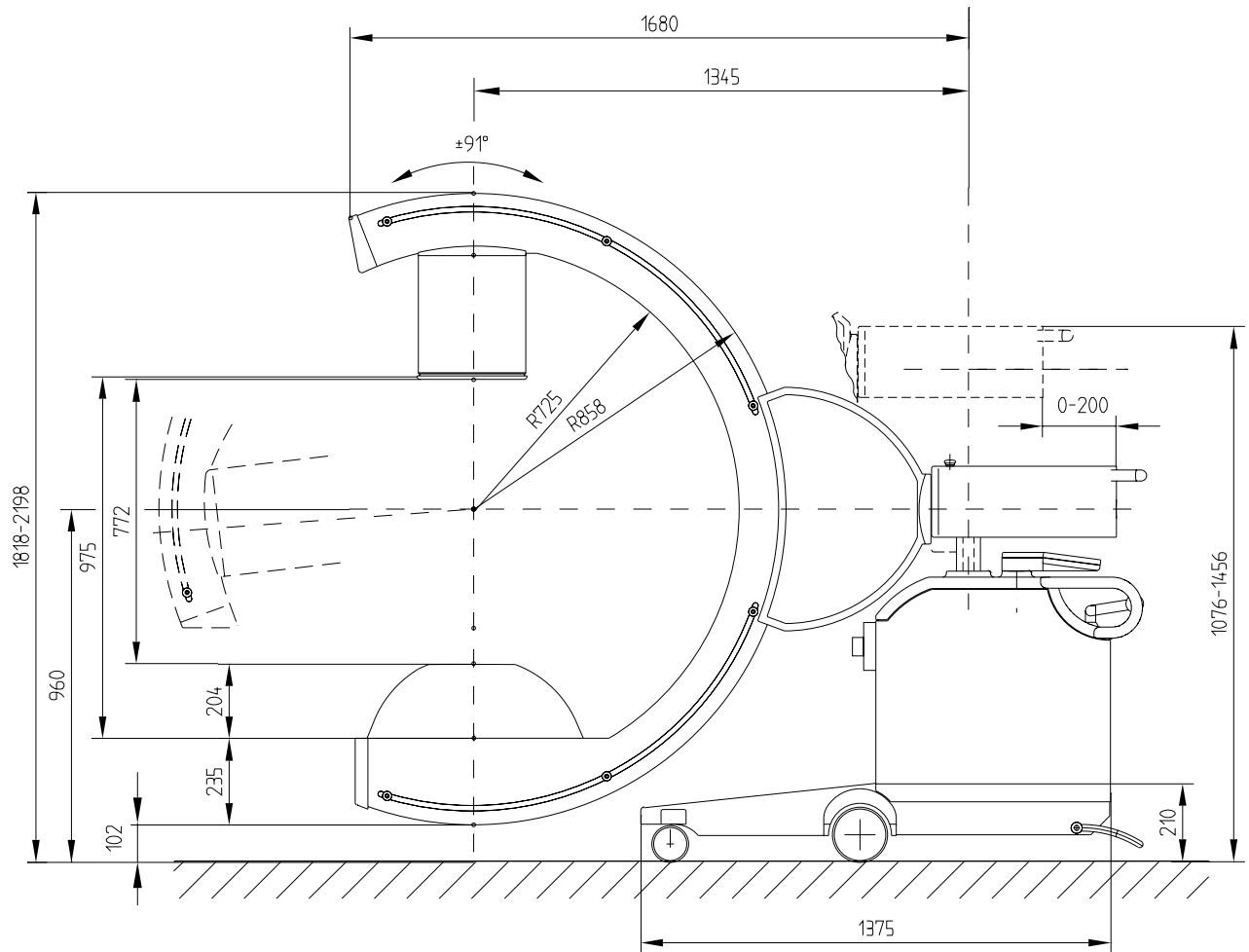
Safety

- The provisions of the relevant fire safety regulations must be observed for the premises.
- The system has been developed according to EN 60601 - 1.
- Minimum dimensions (e. g. room heights, safety distances) indicated in the planning guides are marked "min."
- Basic strength against electromagnetic sources of interference.
Result of lightning discharges.
The protection targets of the different lightning protection areas up to the unit connection are also specified in the IEC 1024, DIN 48810, VDE 0675 and in the DEMVT recommendations.

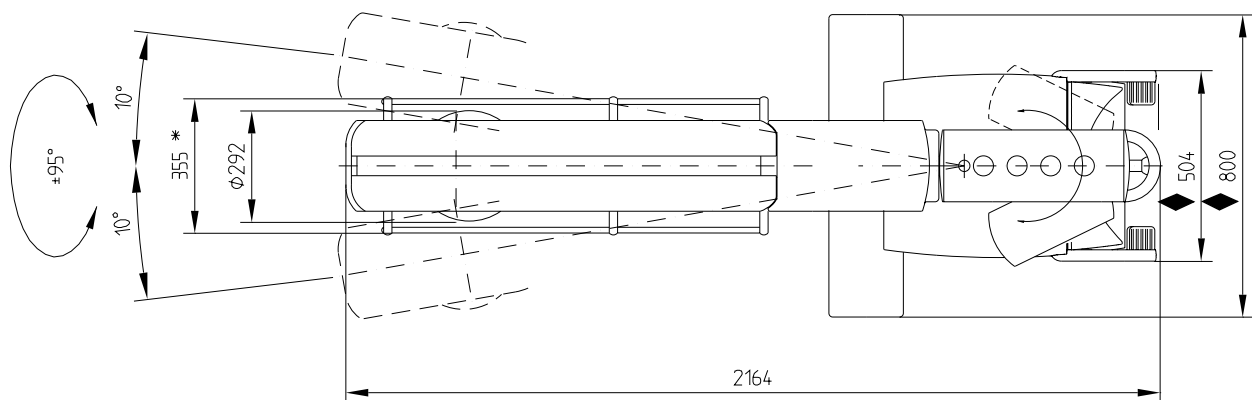
Further Information for Detail Planning

- PG: SIREMOBIL Option
Multi-room Connection / 4View Monitor Option
SPR2-130.891.02...

POWERMOBIL Dimensions

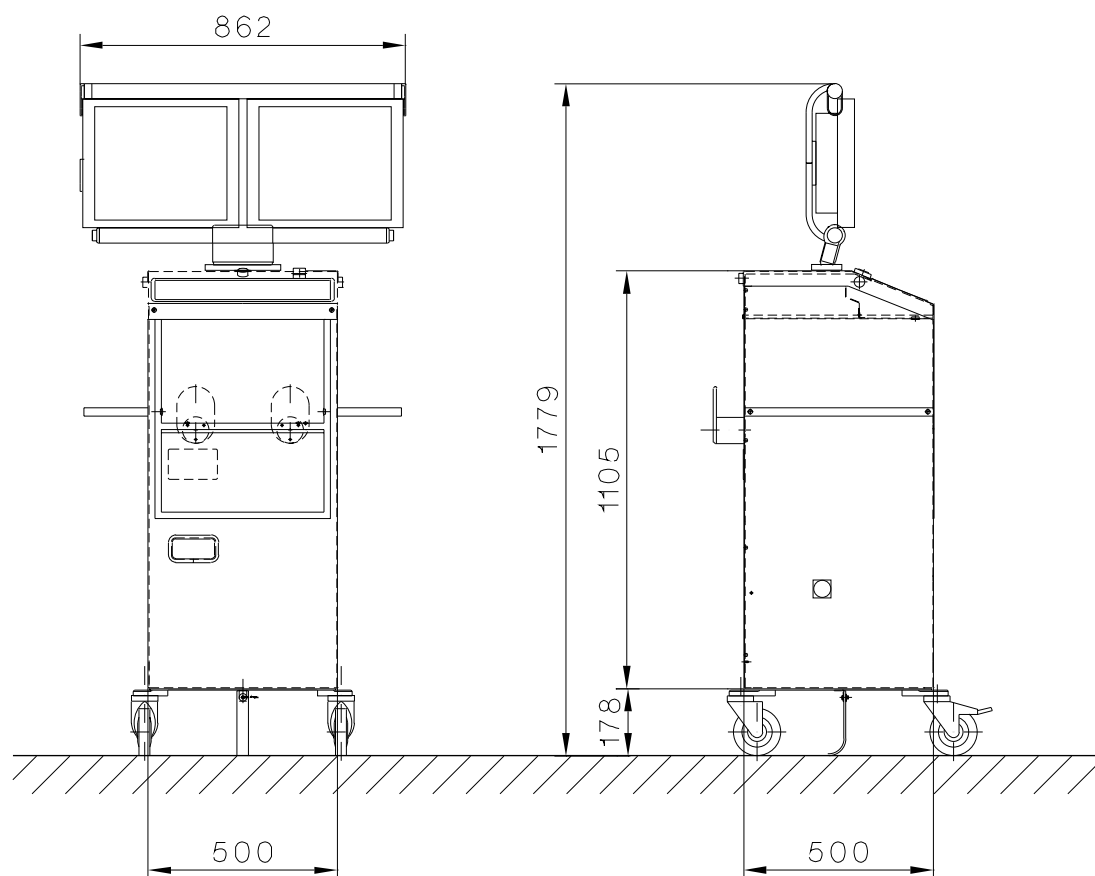


1 : 20



Horizontal travel:	200 mm	* including reeling
Vertical travel:	380 mm	
Angulation:	$190^\circ (\pm 95^\circ)$	
Orbital pivot range:	$182^\circ (\pm 91^\circ)$	
Horizontal pivot range:	$\pm 10^\circ$	

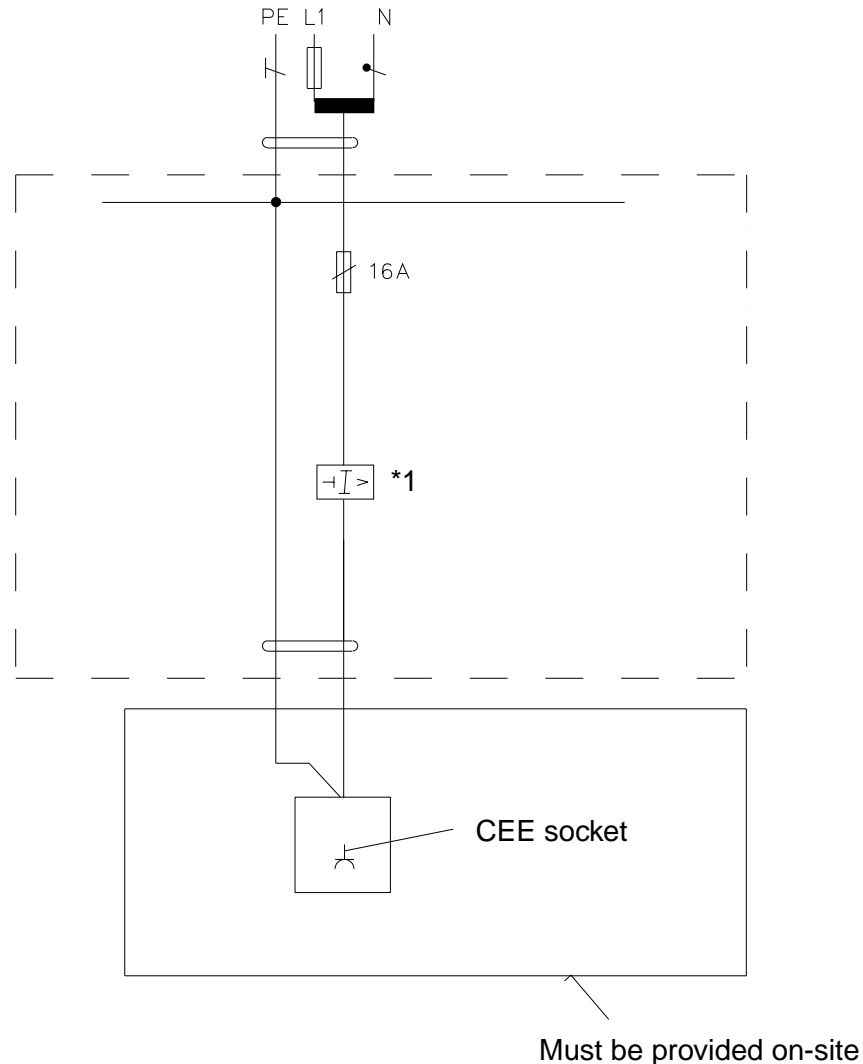
◆ Monitor Trolley Dimensions



1 : 20

On-site Electrical Installation

◆ Recommendation for on-site power distributor according to DIN VDE 0100-710



*1 FI - switch $I_{\Delta N}$ 30 mA leakage current from AC voltage or DC/pulsed DC voltage

NOTE

New Power Cable for Units Shipped to Great Britain/Ireland.

Since July 2003, systems shipped to GB/IE include a new power cable with a country-specific power connector.

The cable length has been reduced to 5 m to meet all regulations and standards.

The connector includes an additional 13 A slow-blow fuse.

The values of the internal fuses in the systems (fuse F1 and F2) are not affected.

This page intentionally left blank.

Electrical Data

	Line voltage connection	Fuses (internal)	Internal line impedance	Average power consumption
POWER-MOBIL	100/110/120/127/ 200/230/240 V ± 10% 50/60 Hz ± 1 Hz	15 A slow-blow from 200 V 20 A slow-blow up to 127 V	≤ 0.30 Ω -100/110/ 120/127 V ≤ 0.80 Ω -200/230/240 V	◆ max. 2.5 kVA

Weight and Heat Dissipation

	Weight [kg]	Heat dissipation [W]
POWERMOBIL	approx. 430	approx. 550
Monitor trolley	approx. 195	approx. 600

Ambient Temperature and Relative Humidity

POWERMOBIL	In operation	Transport / storage
Permissible ambient temperature	+ 10° C ... + 37° C	- 20° C ... + 37° C
Permissible relative humidity	15 % ... 75 %	10 % ... 100 %
Permissible atmospheric pressure	700 hPa ... 1060 hPa	500 hPa ... 1060 hPa

Packing and Transport Routes

Largest crate	L 2450 x W 990 x H 2100 mm
Heaviest single component	approx. 400 kg without packing approx. 550 kg with packing (standard packing) approx. 700 kg with packing (overseas packing)
min. door width for transporting the unpacked system	min. 800 mm door width

◆ Surface Colors

Basic color	Medical White C610
Combination color	Medical Blue C750 Medical Red C753 Medical Basic C701

This page intentionally left blank.

Chapter	Page	Change
0 - 5		Rev. level of document changed from 03 to 04.
2	2-1	Dimensions expanded.
2	2-2	New illustration added.
3	3-1	On-site electrical installation text updated, PG Speed Info 001/03/SP integrated.
4	4-1	Electrical data and surface colors updated.
5	5-1	Changes to Previous Version updated.

This page intentionally left blank.